

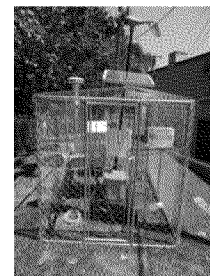


# RIVER MILE 10.9 REMOVAL ACTION PERIMETER AIR MONITORING PROGRAM WEEKLY REPORT

## Summary of perimeter air monitoring for the 2 week period ending September 22, 2013

Dredging operations, which began on August 3, 2013, are being continuously monitored to ensure that air quality is maintained at acceptable levels. To monitor air quality, a number of sampling locations have been established as shown on the map below.

*Operations resumed on September 19 and were conducted within acceptable air monitoring limits. Though no dredging occurred during the week that ended September 15, monitoring was still conducted at Location PMS#1 to monitor for potential odor emissions from previously dredged sediment, which was temporarily stored in a barge on the river until it could be transported to the treatment facility.*



## Real-Time Air Monitoring Data

Air Monitoring Station	Daily Averages For Week Ending September 15							
	Air Indicator Criteria	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	Sun.
<b>PMS #1 (Park)</b>								
VOCs (ppm)	10	NS	0.1	0.1	0.0	0.0	0.0	0.0
H <sub>2</sub> S* (ppm)**	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dust (ug/m <sup>3</sup> )	450	NS	31	40	30	8	0	0
<b>PMS #2 North (Park)</b>								
VOCs (ppm)	10	NS	NS	NS	NS	NS	NS	NS
H <sub>2</sub> S* (ppm)	0.02	NS	NS	NS	NS	NS	NS	NS
Dust (ug/m <sup>3</sup> )	450	NS	NS	NS	NS	NS	NS	NS
<b>Mobile #1 (Park)</b>								
VOCs (ppm)	10	NS	NS	NS	NS	NS	NS	NS
H <sub>2</sub> S* (ppm)	0.02	NS	NS	NS	NS	NS	NS	NS
Dust (ug/m <sup>3</sup> )	450	NS	NS	NS	NS	NS	NS	NS
<b>IRS #1 (River)</b>								
VOCs (ppm)	10	NS	NS	NS	NS	NS	NS	NS
H <sub>2</sub> S* (ppm)	0.02	NS	NS	NS	NS	NS	NS	NS
Dust (ug/m <sup>3</sup> )	450	NS	NS	NS	NS	NS	NS	NS

\* Odor indicator, criterion not associated with elevated health risk

\*\* This hydrogen sulfide monitor is located adjacent to the weather station.

**Key:** H<sub>2</sub>S = hydrogen sulfide; NS = not sampled; VOC = volatile organic compound

**Units:** ppm = parts per million; ug/m<sup>3</sup> = micrograms per cubic meter

# Real-Time Air Monitoring Data

Air Monitoring Station	Daily Averages For Week Ending September 22							
	Air Indicator Criteria	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	Sun.
<b>PMS #1 (Park)</b>								
VOCs (ppm)	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
H <sub>2</sub> S* (ppm)**	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dust (ug/m <sup>3</sup> )	450	1	1	7	9	10	4	1
<b>PMS #2 North (Park)</b>								
VOCs (ppm)	10	NS	NS	NS	0.0	0.0	0.0	0.0
H <sub>2</sub> S* (ppm)	0.02	NS	NS	NS	0.00	0.00	0.00	0.00
Dust (ug/m <sup>3</sup> )	450	NS	NS	NS	4	11	0	1
<b>Mobile #1 (Park)</b>								
VOCs (ppm)	10	NS	NS	NS	NS	0.0	0.1	0.0
H <sub>2</sub> S* (ppm)	0.02	NS	NS	NS	NS	0.00	0.00	0.00
Dust (ug/m <sup>3</sup> )	450	NS	NS	NS	NS	56	25	0
<b>IRS #1 (River)</b>								
VOCs (ppm)	10	NS	NS	NS	0.2	0.2	0.3	0.0
H <sub>2</sub> S* (ppm)	0.02	NS	NS	NS	0.00	0.00	0.00	0.00
Dust (ug/m <sup>3</sup> )	450	NS	NS	NS	6	12	9	2

\* Odor indicator, criterion not associated with elevated health risk

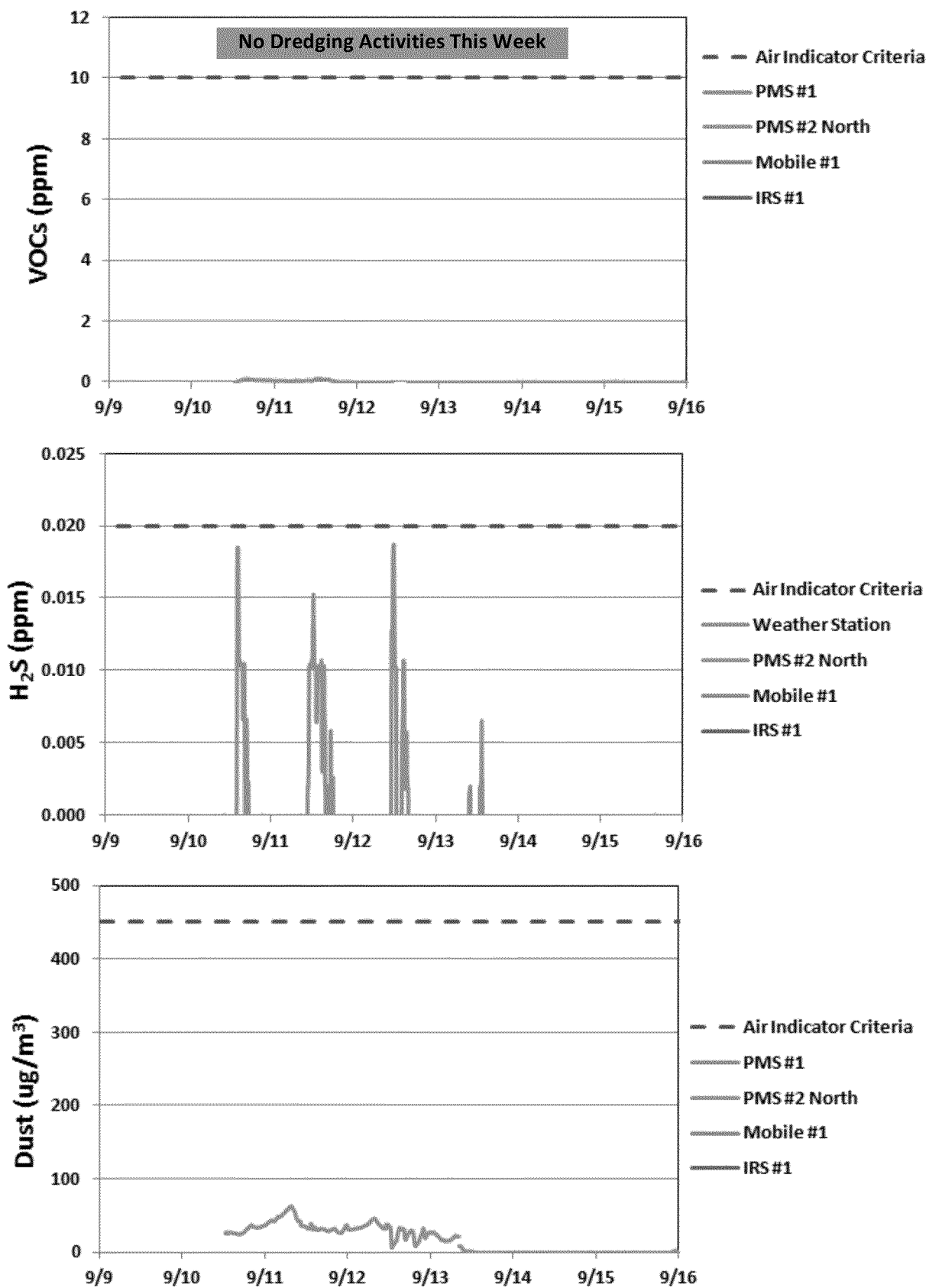
\*\* This hydrogen sulfide monitor is located adjacent to the weather station.

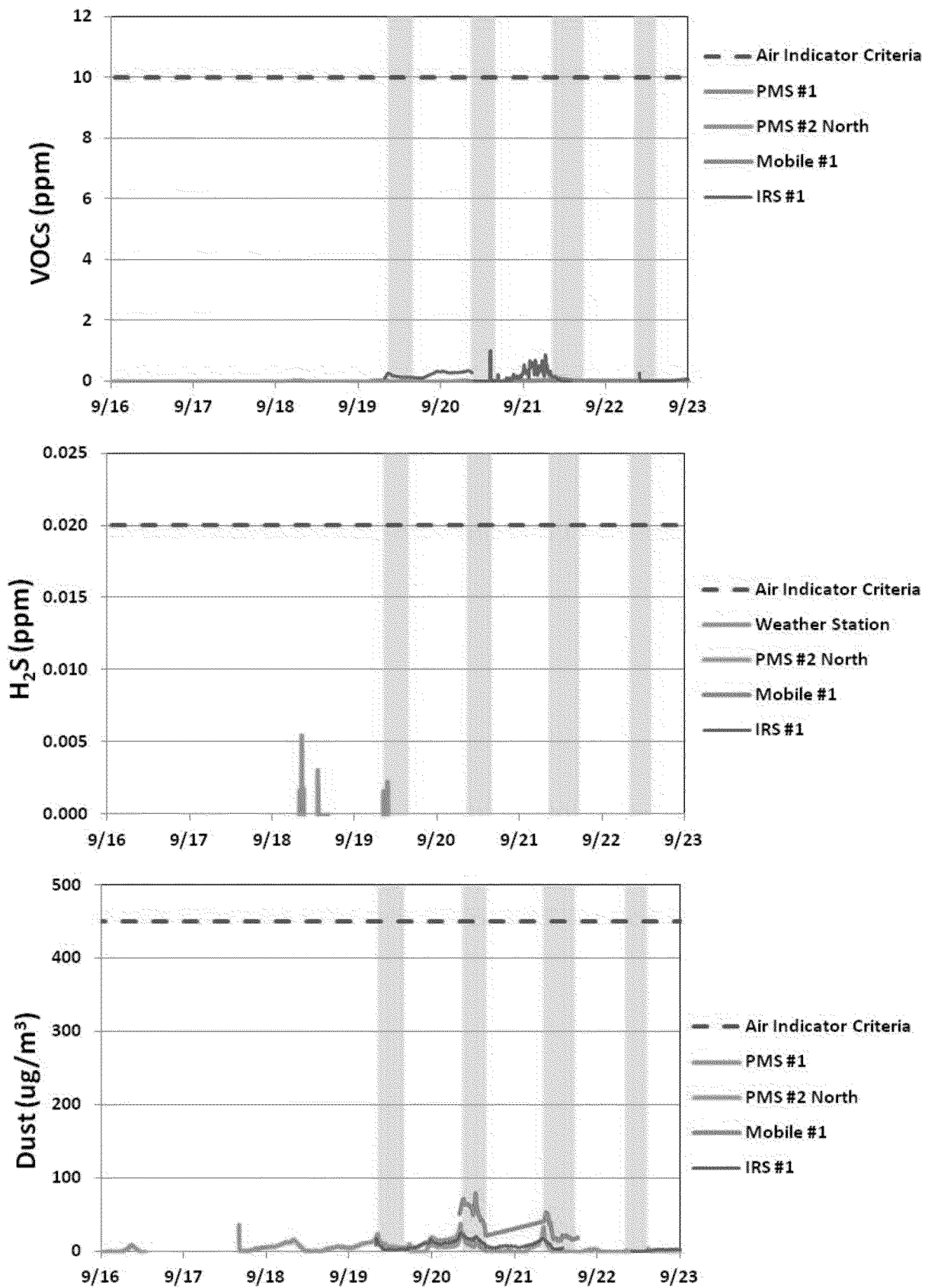
**Key:** H<sub>2</sub>S = hydrogen sulfide; NS = not sampled; VOC = volatile organic compound

**Units:** ppm = parts per million; ug/m<sup>3</sup> = micrograms per cubic meter

## Real-Time Air Monitoring

(Times in which there was dredging activity are shown in yellow)





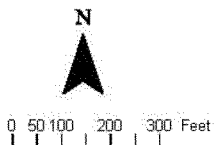
## 24-Hour Composite Air Monitoring: No Exceedances of Air Indicator Criteria

Station ID	Sample Start Date	Chemical	Air Concentration (ug/m <sup>3</sup> )	Air Indicator Criteria (ug/m <sup>3</sup> )	Exceedance of Air Indicator Criteria
PMS #1	8/30/2013	PCB	7.5E-04	0.11	no
PMS #1	9/3/2013	TCDD	1.4E-08	2.4E-05	no
PMS #2 North	8/30/2013	PCB	6.2E-04	0.11	no
PMS #2 North	9/3/2013	TCDD	4.6E-09	2.4E-05	no
Mobile #1	8/30/2013	PCB	7.0E-04	0.11	no
Mobile #1	9/3/2013	TCDD	3.7E-09	2.4E-05	no
IRS #1	8/30/2013	PCB	8.2E-04	0.11	no
IRS #1	9/3/2013	TCDD	1.0E-08	2.4E-05	no

**Note:** Table Presents Preliminary Unvalidated Data

**Key:** PCB = Polychlorinated biphenyl  
 TCDD = 2,3,7,8-Tetrachlorodibenzo-p-Dioxin  
 ug/m<sup>3</sup> = microgram per cubic meter

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Notes:  
1. Orthophoto: NJGIS, 2007

**Perimeter Air Monitoring Stations**  
**RM 10.9 Removal Action Air Monitoring Plan**  
*Lower Passaic River Study Area, New Jersey*